To: natalie.ohlhausen@anadarko.com[natalie.ohlhausen@anadarko.com]
Cc: Smith, Claudia[Smith.Claudia@epa.gov]
From: Wortman, Eric
Sent: Fri 12/1/2017 7:18:10 PM
Subject: Syn Minor NSR Permit Applications - Multiple Facilities on U&O Reservation

Hi Natalie,

In addition to questions I sent you on 11/15 for the Sage Grouse CS syn minor permit application, I have reviewed the permit applications for several other actions and have a few questions. It would be great to get these sometime next week if possible, but no later than Friday, December 15th. Once I have this information, I can finalize the proposed permits and start preparing for public notice. I can be reached via email or at 617-918-1624 with any questions. Thanks. -Eric

Bitter Creek Compressor Station

•□□□□□□□ Appendix D of your application does not propose any VOC requirements for the two low-emission dehydrators at the facility. I assume you want the permit to include the enforceable restrictions for the two dehydrators at the facility (similar to White River and the CD). Please verify.

•□□□□□□□ Please provide the MMscfd capacity for each of the dehydrators. The application did not include the emissions unit detail sheets for the two dehydrators.

•□□□□□□□ The application indicates there are six H2S air strippers at the facility. Please send me a sentence or two about how these units fit in to the facility operations that I can include in the process description. Please verify that there are no emissions associated with these units (nothing in PTE tables).

•□□□□□□□ Please provide the capacity of the three condensate/produced water tanks. The tank size is not in the application. Additionally, the process description states that condensate is sent to the blowcase system and injected into the discharge line, but also states condensate is stored in the produced water tanks. Also, the facility diagram for the facility indicates there are 3 produced water tanks and 3 liquids storage tanks (six total tanks). Can you clarify the liquids storage operations at the facility?

North East Compressor Station

•□□□□□□□ Please provide the capacity of the 2 condensate/produced water tanks. The tank

size is not in the application.

North Compressor Station

•□□□□□□□ Please provide the capacity of the 2 condensate/produced water tanks. The tank size is not in the application. Additionally, the process description states that condensate is sent to the blowcase system and injected into the discharge line, but also states it is stored in the produced water tanks. Please clarify this discrepancy.

Archie Bench Compressor Station

•□□□□□□□ Please provide the capacity of the three condensate/produced water tanks. The tank size is not in the application. Additionally, the process description states that condensate is sent to the blowcase system and injected into the discharge line, but also states it is stored in the produced water tanks. Please clarify this discrepancy.

•□□□□□□□ The application indicates there are three H2S air strippers at the facility. Please send me a sentence or two about how these units fit in to the facility operations that I can include in the process description. Please verify that there are no emissions associated with these units (nothing in PTE tables).

Sage Grouse (requested on 11/15)

- The application request a CO control requirement of 93% for engine SGG Gen 3 in accordance with the consent decree. However, this engine is only 125 hp and therefore doesn't appear to subject to the consent decree requirements in paragraph 41 and 50 for engines > 500 hp. The application also states this engine is subject to NSPS JJJJ. Please verify you are requesting the same control requirements (oxidation catalyst with 93% reduction) for SGG Gen 3 as the other 5 engines.
- Please provide the capacity of the 3 condensate/produced water tanks. The tank size is not in the application.
- The application indicates there are three H2S air strippers at the facility. Please send me a sentence or two about how these units fit in to the facility operations that I can include in the process description. Please verify that there are no emissions associated with these units (nothing in PTE tables).

From: Wortman, Eric
Sent: Wednesday, November 15, 2017 11:32 AM
To: 'natalie.ohlhausen@anadarko.com' <natalie.ohlhausen@anadarko.com>
Cc: Smith, Claudia <Smith.Claudia@epa.gov>
Subject: Syn Minor NSR Permit - Sage Grouse CS

Hi Natalie,

I've reviewed the synthetic minor permit application for the Sage Grouse CS and have a few questions. Thanks – Eric

1. The application request a CO control requirement of 93% for engine SGG Gen 3 in accordance with the consent decree. However, this engine is only 125 hp and therefore doesn't appear to subject to the consent decree requirements in paragraph 41 and 50 for engines > 500 hp. The application also states this engine is subject to NSPS JJJJ. Please verify you are requesting the same control requirements (oxidation catalyst with 93% reduction) for SGG Gen 3 as the other 5 engines.

2. Please provide the capacity of the 3 condensate/produced water tanks. The tank size is not in the application.

3. The application indicates there are three H2S air strippers at the facility. Please send me a sentence or two about how these units fit in to the facility operations that I can include in the process description. Please verify that there are no emissions associated with these units (nothing in PTE tables).

Eric Wortman | Environmental Scientist

U.S. Environmental Protection Agency

Telephone: (617) 918-1624 | Email: wortman.eric@epa.gov